U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report No. 82-3-45

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AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, KISATCHIE NATIONAL FOREST, LOUISIANA

LAND OWNERSHIP OR SURVEY AREA: Kisatchie National Forest, Winn, Vernon & Evangeline Ranger Districts

STATE: Louisiana

AREA WITHIN SURVEY BOUNDARY: 600,000 acres

DATE: Sept. 3, 1982

PERCENT COVERAGE: 50%

AIRCRAFT: Cessna 182

CREW: R. Bassett; FPM; Erick Vallery, Southern Forest Experiment Station; Charlotte Sage, Evangeline Ranger District

SURVEY OBJECTIVES

The objective of this survey was to determine if southern pine beetle damage is more extensive (or less) than on the last aerial survey (July 22, 1982, C.W. Dull, et. al.).

SURVEY RESULTS

Evangeline Ranger District - the amount of damage is practically identical to previous survey, see Tables I and 2. A salvage attempt on the one very large (100+ trees) spot failed, and the spot remains large and apparently still active.
Vernon Ranger District - this district was flown because district personnel had reported spots. The number of spots went from zero to five spots containing a total of 43 trees currently dead and dying pine trees, see Table I and 2.
Winn Ranger District - the number of spots went from four to seven, see Table 1 and 2.

In all cases, district personnel either have a copy of the flight map or have access to one.

CONCLUSIONS

Salvage operations should continue, or be initiated where practical.

For additional information, contact:

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Table I - Summary of Aerial Survey Data, Estimated number of southern pine beetle spots by size category, Kisatchie National Forest, July 21-22, 1982

	Spot Size Categorized by number of red and fading trees			
Ranger District[1/]	2 - 25	26 - 50	51 - 100	100+
Evangeline	6	0	0	1
Vernon	0	0	0	0
Winn	4	0	0	0
Total	10	0	0	1

1/ Data is for federal ownership only.

Table 2 - Summary of Aerial Survey Data, Estimated number of southern pine beetle spots by size category, Kisatchie National Forest, September 3, 1982

	Spot Size Categorized by number of red and fading trees			
Ranger District	2 - 25	26 - 50	51 - 100	100+
Evangeline	5	0	0	1
Vernon	5	0	0	0
Winn	7	0	0	0
Total	17	0	0	1